

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) An endoscopic debris extraction device comprising:
a support filament comprising a first end portion;
a sheath comprising a lumen, the support filament disposed in the lumen such that the sheath is slideable with respect to the support filament;
a collapsible rake carried by the first end portion of the support filament, the rake comprising a plurality of shafts, each shaft comprising a respective raking portion that extends laterally away from the respective shaft, wherein each raking portion extends away from only one side of a longitudinal plane defined by the sheath;
the sheath movable with respect to the rake between a first position, in which the shafts are received within the lumen of the sheath, and a second position, in which the shafts extend beyond the sheath and hold the raking portions in position for stone raking operations.
2. (Original) The invention of Claim 1 wherein the raking portions comprise bent portions of the shafts.
3. (Original) The invention of Claim 1 wherein the raking portions comprise looped end portions on the shafts.

4. (Original) The invention of Claim 1 wherein the raking portions are received within the lumen of the sheath in the first position.
5. (Original) The invention of Claim 1 wherein the raking portions are smoothly rounded at an exposed end.
6. (Original) The invention of Claim 1 further comprising rounded balls at exposed ends of the raking portions.
7. (Original) The invention of Claim 3 wherein the looped end portions are joined to the shafts at an angle.
8. (Original) The invention of Claim 3 wherein there is a smooth transition from the looped end portions to the shafts.
9. (Original) The invention of Claim 1 wherein the shafts are formed continuously with the support filament.
10. (Original) The invention of Claim 1 wherein the shafts are secured to the support filament.

11. (Original) The invention of Claim 1 wherein the shafts comprise a shape memory metal.

12. (Original) The invention of Claim 11 wherein the shape memory metal comprises nitinol.

13. (Original) The invention of Claim 1 wherein the shafts comprise a polymer.

14. (Original) The invention of Claim 1 wherein the shafts comprise a plastic.

15. (Original) The invention of Claim 1 wherein the shafts comprise a metal alloy.

16. (Original) The invention of Claim 1 further comprising transversely extending elements between the shafts.

17 (New) An endoscopic debris extraction device comprising:

a support filament comprising a first end portion;

a sheath comprising a lumen, the support filament disposed in the lumen such that the sheath is slideable with respect to the support filament;

a collapsible rake carried by the first end portion of the support filament, the rake comprising a plurality of shafts, each shaft comprising a respective raking portion that extends laterally away from the respective shaft;

the sheath movable with respect to the rake between a first position, in which the shafts are received within the lumen of the sheath, and a second position, in which the shafts extend beyond the sheath and hold the raking portions in position for stone raking operations, wherein the raking portions do not clamp together when moved from the second position to the first position.

18. (New) The invention of Claim 17 wherein the raking portions comprise bent portions of the shafts.

19. (New) The invention of Claim 17 wherein the raking portions comprise looped end portions on the shafts.

20. (New) The invention of Claim 17 wherein the raking portions are received within the lumen of the sheath in the first position.

21. (New) The invention of Claim 17 wherein the raking portions are smoothly rounded at an exposed end.

22. (New) The invention of Claim 17 further comprising rounded balls at exposed ends of the raking portions.

23. (New) The invention of Claim 22 wherein the looped end portions are joined to the shafts at an angle.

24. (New) The invention of Claim 22 wherein there is a smooth transition from the looped end portions to the shafts.
25. (New) The invention of Claim 17 wherein the shafts are formed continuously with the support filament.
26. (New) The invention of Claim 17 wherein the shafts are secured to the support filament.
27. (New) The invention of Claim 17 wherein the shafts comprise a shape memory metal.
28. (New) The invention of Claim 27 wherein the shape memory metal comprises nitinol.
29. (New) The invention of Claim 17 wherein the shafts comprise a polymer.
30. (New) The invention of Claim 17 wherein the shafts comprise a plastic.
31. (New) The invention of Claim 17 wherein the shafts comprise a metal alloy.
32. (New) The invention of Claim 17 further comprising transversely extending elements between the shafts.